



Operations Weekly Plan - March 15, 2004



CDF should have access to collision hall through Monday

Argon-ethane should start flowing to muon chambers this afternoon

KEYS BACK IN FRIDAY 1600. Please schedule weekend work with Dee and Ops

March 15 shutdown:

- **IN PROGRESS** Collision hall lighting failure west end. Install new circuit to replace electrical feed that failed in penetration through shielding wall.
- **IN PROGRESS** Install collision hall plumbing and instrumentation for COT gas recirculation system
Welding schedules for Thursday 3/18 will require nitrogen flush of some Argon-Ethane chambers
- **in progress** COT pull/replace wire planes
- SVX access -
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- muon
 - **IN PROGRESS** 2 BSU counters on East side; 1 CSP counter on Top-West side. (requested by Oleg)
 - Akram and Oleg
 - CMP maintenance (requested by Lucio)
 - **in progress** repair and test individual channels, in particular 3 South Wall, 1 North. (Also south wall A4.)
 - TDC (requested by Phil)
 - **in progress** we are running short of rev D ecl tdc spares. Eric has proposed outfitting another crate with rev Fs. It will probably be b0musc00 (csx, csp).
 - trigger inhibit (requested by Phil)
 - Jonathan wants to move the nim crate with the nim-ttl converters for our hardware trigger

inhibit and recable.

- BMU (requested by Phil Schlabach, 8/3/04)
 - Check E72 HV (Bob Handler)
 - **in progress** Work on the noisy channels that are (re)connected
- CMU (requested by Phil Schlabach, 8/3/04)
 - **DONE** Replace the ASD for OE (E0?), if it becomes noisy again before the shutdown there will be some investigation beforehand
- CMX (requested by Phil Schlabach, 8/3/04)
 - If we can get to them and personnel are available we would work on a couple of bad patches in 0, 4W and attack 5W (keystone), as the plug will be open for other work, this will be difficult
- **DONE** Muon Telescope Removal (requested 2/13/04 by Hyunsoo)
- Test trigger inhibit system for muon scintillators (Phil S)

- calorimeter

- **DONE** Investigate and fix the no-readback problem of an east side WHU Pisa box (requested 3/10/04 by Willis Sakumoto)
- disconnect noisy pin diode for east plug (requested 3/5/04 Diego Cauz in day shift elog) (OK if does not happen during March 15 shutdown)
 - needs east toroid out
- the following requested by Fotis
 - hot WHA pmt on wedge 8East. We'll need a 4 hour access to investigate and maybe replace the pmt if needed. For the work we'll need the monkey bars installed above the SE plug and the east toroids moved out.
 - Fotis and Nikolay
- Requests from Willis Sakumoto and Larry Nodulman (2/16/04)
 - CEM work
 - CEM wedge 02E towers 4 and 5 PMT and base checkout -- gains have been drifting
 - Requirements NE muon walls out to access wedge 02E PMTs
 - Time estimate: under 1 shift
 - Personnel: Argo-Bob Wagner (and Larry N. as buddy)
 - CPR upgrade work
 - **IN PROGRESS** Pull an arch to make measurements for CPR upgrade
[Open SE central arch on Thursday 3/18](#)
 - Install a production phototube box for the CPR upgrade. This is to check the placement of the box, establish the installation procedure, measure the time it takes, etc.
 - **DONE** EM timing repair
 - WHA sourcing -- 24 Feb 2004 shutdown
 - Job: source WHA to check for any gain degradation.
 - Requirements: solenoid must be on, so it is preferable to do this at the very beginning of the access.
 - Time: if all goes well, about an hour. However, Nikolay says could be up to 3

hours

- Personnel: Fotis Ptohos and Nikolay Luzhetskiy
- Hadron timing work
POSTPONED PER WILLIS
 - Personnel: Fotis, Minjeong and Nikolay
 - Plug work
 - NW plug rack: work on two dead channels and two noisy ones
 - Requirements: west toroids need to be out
 - Time: 3-4 hours
 - Central work
 - channels in various locations for the CHA and WHA
 - Requirements: north and south muon walls open
 - Time: 2-3 hours
- PEM pmt/electronics check (Vivek and Mark M could not fix)
 - PEM west wedge 15 tower 1: possible termination problem - sometimes see large fraction of plug laser energy in second bucket
 - Requirements: west toroids open, access to PMT box 9
 - Time: 1 shift
 - Personnel: Howard Budd, Willis
- Central Pisa box work
 - Job: general maintenance of central Pisa HV distribution boxes
 - Personnel: Nikolay and Buddy
 - Time estimate: about a shift
- Plug Sourcing --> **Thursday, 3/18 after 10 pm** <--
 - Job: mini-sourcing of the PEM, PHA, and PPR (all source tubes, but only one layer)
 - Requirments: solenoid off and at start of shutdown (source area needs to roped off if people are present)
 - Time estimate: 5 hours
 - Personnel: Alexei Sedov and Oscar Gonzalez Lopez
- SMX work
 - Job: fix dead channels in the system, various locations
 - Time estimate: 1 shift
 - Personnel: Karen Byrum and Mike L.

○ forward detectors

- **IN PROGRESS** replace BSC east/west counters

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